The Monitor has an active matrix TFT (Thin-Film Transistor) LCD (Liquid Crystal Display).
This monitor is designed for use in small working areas or for those who need more working space on the desk.

Features

- The Monitor is a 15 inch (15 inches viewable) intelligent micropro-cessor based monitor.
- Digitally controlled auto-scanning is done with the micro-processor for horizontal scan frequencies between 31 and 61kHz, and vertical scan frequencies between 56 - 75Hz.
- We accomplished to adapt the advanced design and technology to the monitor. Soft touch buttons on the front panel are simple and allow you to conveniently adjust a variety of image controls. The absolute flat screen and screen surface treatment eliminate distracting glares.
- This monitor offers the ability to rotate between landscape and portrait modes. The monitor rotates from Landscape to Portrait through 90°clockwise and from Portrait to Landscape through 90°anti-clockwise. **For detailed information, please refer to the CD provided with the manual.***
- You can adjust the height of the screen.
- Plug and play capability if supported by your system.
- This monitor has DDC 2B function.*
- Compliant with the following regulated specifications :*
  - EPA ENERGY STAR
  - Swedish MPR II
  - Swedish TCO'99

* *For detailed information, please refer to the Reference Guide provided .*

To set up the monitor, ensure that the power is turned off to the monitor, computer system, and other attached devices, then follow these steps:

❶ Power off both the monitor and computer.

❶' To adjust height of your monitor, unlock the stand lock on top of the stand. Push the stand lock at arrows shown.

❷ Connect one end of the monitor signal cable to the input connector on the rear panel of the monitor.

❸ Connect the other end to the 15-pin connector on the real panel of the computer and tighter the screws. Be sure the signal cable aligns with the 15-pin connector.

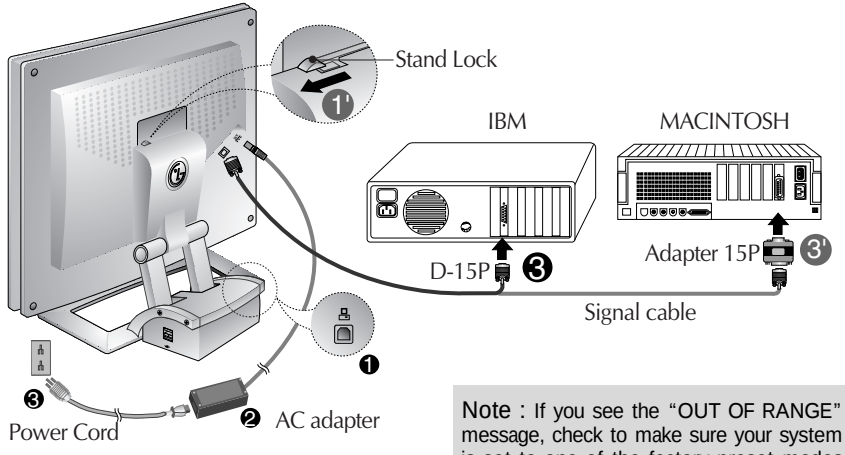
❸' Connect the other end of the monitor signal cable to the rear panel of Macintosh computer through a Macintosh adapter and then tighten screws.

❹ Connect the plug from the AC adapter into the base of the monitor.
❶ Connect one end of the AC power cord to the AC adapter ❷ and the other end to a properly grounded AC outlet that is easily accessible and close to the monitor ❸.

❺ Power on the computer, then the monitor.

❻ If you see the NO SIGNAL message, check the signal cable and connectors.

❼ After using the system, power OFF the monitor, then the computer.

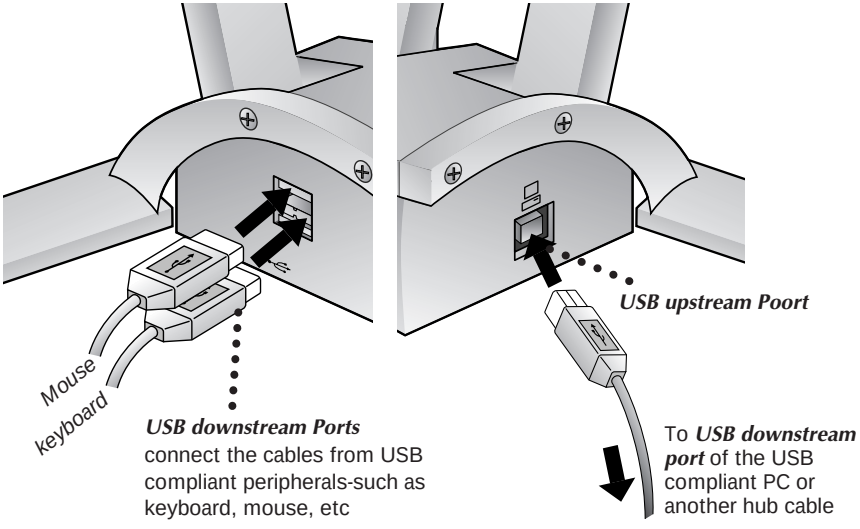


Note : If you see the "OUT OF RANGE" message, check to make sure your system is set to one of the factory preset modes (see page A9), or is set to a resolution and refresh rate within the specification limits of this monitor.

USB (Universal Serial Bus) is an innovation in connecting your different desktop peripherals conveniently to your computer. By using the USB, you will be able to connect your mouse, keyboard, and other peripherals to your monitor instead of having to connect them to your computer. This will give you greater flexibility in setting up your system. USB allows you to connect chain up to 120 devices on a single USB port, and you can "hot" plug (attach them while the computer is running) or unplug them while maintaining Plug and Plug auto detection and configuration. This monitor has an integrated BUS-powered USB hub, allowing up to 2 other USB devices to be attached it.

USB connection

1. Connect the upstream port of the monitor to the downstream port of the USB compliant PC or another hub using the USB cable. (Computer must have a USB port)
2. Connect the USB compliant peripherals to the downstream ports of the monitor.



USB downstream Ports
connect the cables from USB compliant peripherals-such as keyboard, mouse, etc

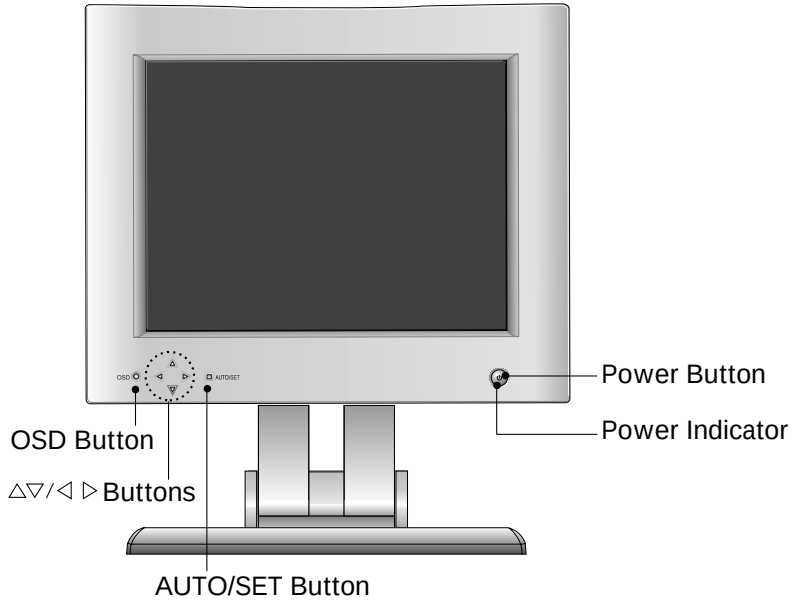
To ***USB downstream port*** of the USB compliant PC or another hub cable

NOTE

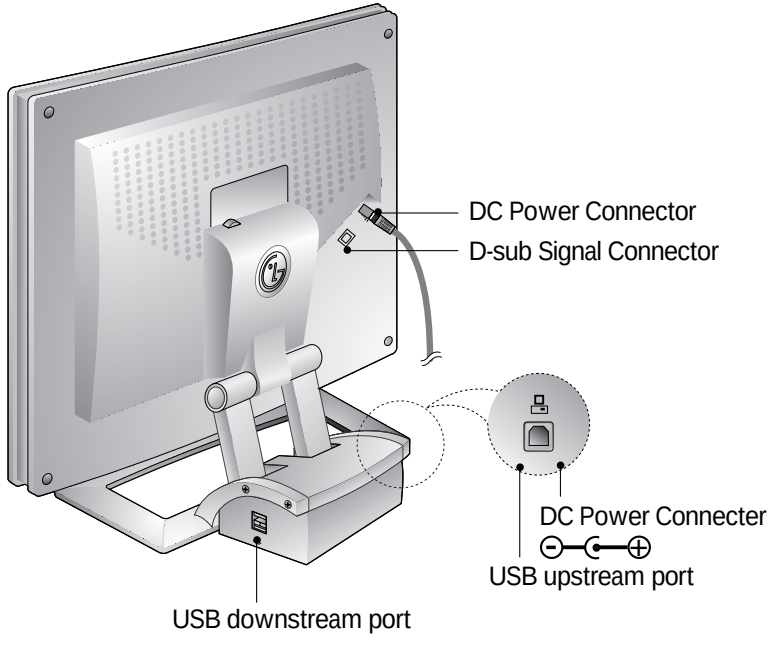
- To activate the USB hub function, the monitor must be connected to a USB compliant PC(OS) or another hub with the USB cable(enclosed).
- When connecting the USB cable, check that the shape of the connector at the cable side matches the shape at the connecting side.
- Even if the monitor is in a power saving mode, USB compliant devices will function when they are connected the USB ports(both the upstream and downstream) of the monitor.

IMPORTANT: These USB connectors are not designed for use with high-power USB devices such as a video camera, scanner, etc. LGE recommends connecting high-power USB devices directly to the computer

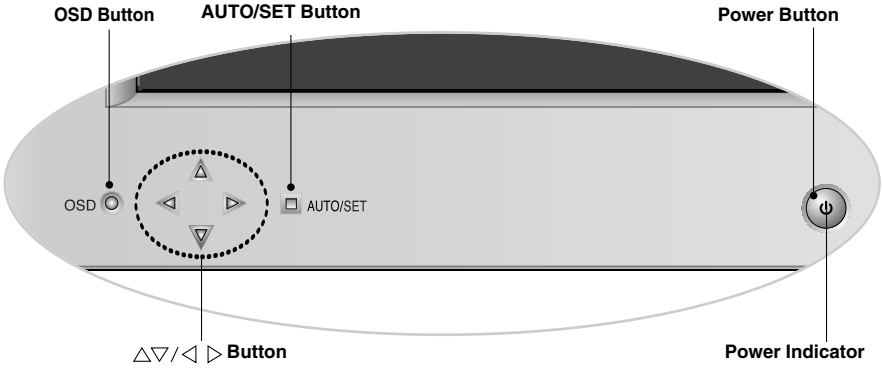
Front View

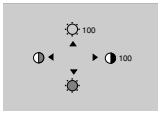


Rear View



Front Panel Controls



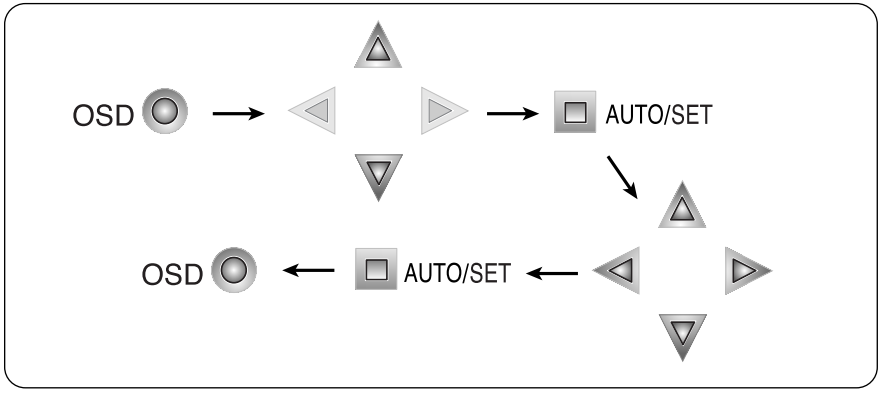
Control	Function
OSD **OSD Button**	Use this button to enter or exit the on screen display.
△▽/◁ ▷ Button 	Use these buttons to choose or adjust items in the on screen display. **<Shortcut Keys>** • Brightness and Contrast can be adjusted directly without entering the On Screen Display (OSD) system. Touch the ◁/▷/△/▽buttons to adjust the settings and then the **OSD button** to save all changes. The Brightness and Contrast functions are also available in the On Screen Display (OSD) menu.
AUTO/SET **AUTO/SET Button**	Use this button to enter a selection in the on screen display. *** AUTO adjustment function** Touch the **AUTO/SET** button before using OSD menu. This button is for the automatic adjustment of the screen position, clock and phase. **Note**: Some signal from some graphics boards may not function properly. I**f the results are unsatisfactory**, adjust your monitor's Position, Clock and Phase manually.
Power Button	Use this button to turn the monitor on or off.
Power Indicator	The power indicator light is shown in the power button. This indicator lights up green when the monitor operates normally. If the monitor is in DPM (Energy Saving) mode (stand-by/ suspend/power off), this indicator color changes to amber.

Making adjustments to the image size, position and operating parameters of the monitor are quick and easy with the On Screen Display Control system. A quick example is given below to familiarize you with the use of the controls. Following section is an outline of the available adjustments and selections you can make using the OSD.

NOTE

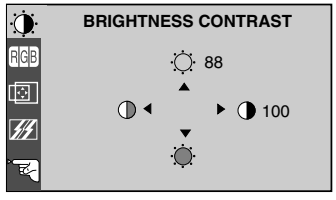
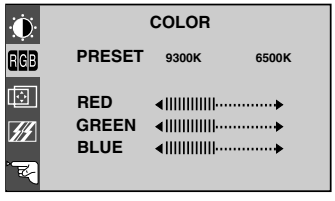
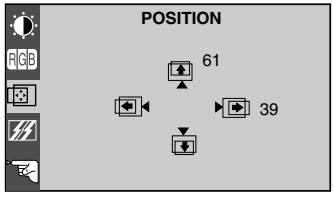
- Allow the monitor to stabilize for at least 30 minutes before making image adjustment.

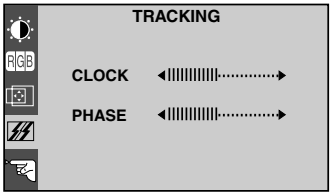
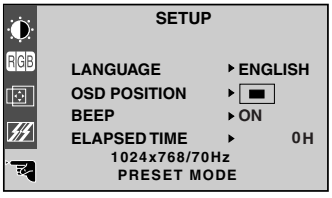
To make adjustments in the On Screen Display, follow these steps:



1. Press the OSD Button, then the main menu of the OSD appears.
2. To acces a control, use the △ or ▽ Buttons. When the icon you want becomes highlighted, press the AUTO/SET Button.
3. Use the △▽/◁ ▷ Buttons to adjust the item to the desired level.
4. Accept the changes by pressing the AUTO/SET Button.
5. Exit the OSD by Pressing the OSD Button.

You were introduced to the procedure of selection and adjusting an item using the OSD system. Listed below are the icons, icon names, and icon descriptions of the items that are shown on the Menu.

OSD Adjust	Description
	**Brightness** Used to adjust the brightness of the screen. **Contrast** Adjust the display to the contrast desired.
	**PRESET** **9300K/ 6500K** To appear the displays color temperature. • 9300K:Slightly bluish white. • 6500K:Slightly reddish white. **RED** To set your own color levels. **GREEN** To set your own color levels. **BLUE** To set your own color levels.
	**Vertical Positio** To move image up and down. **Horizontal Position** To move picture image left and right.

OSD Adjust	Description
	**CLOCK** To minimize any vertical bars or stripes visible on the screen background.The horizontal screen size will also change.
	PHASE To adjust the focus of the display. This item allows you to remove any horizontal noise and clear or sharpen the image of characters.
	**LANGUAGE** To choose the language in which the control names are displayed.
	OSD POSITION To adjust position of the OSD window on the screen.
	BEEP To select beep ON or OFF.
	ELAPSED TIME To display the use time of monitor

The monitor has 30 memory locations for display modes, 14 of which are factory preset to popular video modes.

Display Modes (Resolution)

Display Modes (Resolution)			Horizontal Freq.(kHz)	Vertical Freq.(Hz)
1	VGA	640 x 350	31.47	70
2	VGA	720 x 400	31.47	70
3	VGA	640 x 480	31.47	60
4	MAC	640 x 480	35.00	67
5	VESA	640 x 480	37.86	73
6	VESA	640 x 480	37.50	75
7	VESA	800 x 600	35.16	56
8	VESA	800 x 600	37.88	60
9	VESA	800 x 600	48.08	72
10	VESA	800 x 600	46.88	75
11	MAC	832 x 624	49.72	75
12	VESA	1024 x 768	48.36	60
13	VESA	1024 x 768	56.48	70
14	VESA	1024 x 768	60.02	75

Note : This LCD monitor has been pre-adjusted to the video mode of VESA 1024x768 @75Hz.

User Modes

- Modes 15-30 are empty and can accept new video data. If the monitor detects a new video mode that has not been present before or is not one of the preset modes, it stores the new mode automatically in one of the empty modes starting with mode 15.

  If you use up the 16 blank modes and still have more new video modes, the monitor replaces the information in the user modes starting with mode 15.

Check the following before calling for service.

Display Position is incorrect.
- Push the AUTO/SET Button.
- If the results are unsatisfactory, adjust the image position using the H position and V position icon in the on screen display.

On the screen background, vertical bars or stripes are visible.
- Push the AUTO/SET Button.
- If the results are unsatisfactory, decrease the vertical bars or stripes using the CLOCK icon in the on screen display.

Any horizontal noise appearing in any image or characters are not clearly portraid.
- Push the AUTO/SET Button.
- If the results are unsatisfactory, decrease the horizontal bars using the PHASE icon in the on screen display.

NO SIGNAL message.
- The signal cable is not connected, or is loose. Check and secure the connection.

OUT OF RANGE message appears.
Picture is blank.
- The frequency of the signal from the video card is outside the operating range of the monitor.

  Horizontal Frequency: 31kHz-61kHz
  Vertical Frequency: 56Hz-75Hz

  *Use the graphics board's utility software to change the frequency setting (Refer to the manual for graphics board).

  *You can change the setup to the supported resolution using the Safe Mode (Press the F8 key during booting the system).

The power LED is illuminated amber.
- The monitor is in its display power management mode.
- There is no active signal coming from the PC.
- The signal cable is not fastened securely.
- Check the computer power and graphics adapter configuration.

The monitor doesn't enter the power saving off mode (Amber).
- Computer video signal is not VESA DPMS standard. Either the PC or the video controller card is not using the VESA DPMS power management function.

NOTE
- If the power indicator(LED) light is blinking amber, may result in abnomal condition of the monitor.
- Then press a power ON/OFF button on the front panel control and call your service technician for more information.

Specifications

Display	Type	15 inch (38.1cm) Flat Panel Active matrix-TFT LCD
		Anti-Glare coating
	Viewable Size	15 inch (38.1cm)
	Pixel pitch	0.297 x 0.297mm
	True color	16 million color
Sync Input	Horizontal Freq.	31kHz - 61kHz (Automatic)
	Vertical Freq.	56Hz - 75Hz (Automatic)
	Input form	Separate TTL(Positive/Negative)
	Signal input	15 pin D-Sub connector
Video Input	Display Area	304 x 228mm / 12.0 x 9.0inch
	Input Form	RGB Analog(0.714Vp-p/75ohm)
	Resolution (max.)	VESA 1024 x 768 @ 75Hz
USB specifications	USB standard	Complied BUS-powered hub
	Downstream power supply	100mA for each (MAX)
	Communication speed	12 Mbps (full), 1.5 Mbps (low)
	USB port	1 Upstream port 2 Downstream ports
Power Consumption	Normal(Max.)	≤ 33W
	Stand-by/Suspend	≤ 3W
	Power Off	≤ 3W
Dimensions	Width	39.4 cm / 15.5 inches
	Height(min left)	39.78 cm / 15.7 inches
	(max left)	47.82 cm / 18.6 inches
	Depth	21.47 cm / 8.45 inches
Power Input	DC 12V 3A	
Weight	Net	5.4 kg / 11.9 lbs
Tilt Range	Down	0˚
	Up	30˚
Environment Conditions	Operating condition	
	Temperature	10˚C to 35˚C
	Humidity	10% to 80% non-condensing
	Storage condition	
	Temperature	-20˚C to 60˚C
	Humidity	5% to 95% non-condensing

NOTE

- Information in this document is subject to change without notice.